

ABSTRACT OF THE DISCLOSURE

Methods

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The present invention includes methods, an apparatus and a system in which reclosable bags and components thereof are formed. The reclosable bags are disclosed
which reclosable bags and components thereof are formed. The reclosable bags
2001 are made from base web material that has transversely applied fastener tape
segments thereon. The web material is used in a vertical form, fill and seal bag
forming method. The method includes the steps of supplying a continuous strip of
tape, having male and female fasteners profiler across the web for sealing thereon.
In one embodiment a continuous strip of barrier material, and a continuous strip
of fastener having first and second interlocked fastener profile strips are positioned
on the continuous strip of tape; and secured thereon, the barrier tape is folded to
obtain a fold and two opposing barrier tape fastener strip connecting portions; and,
the fold is slit to form two separate continuous strips of barrier material strips and
two continuous strips of tape. In another embodiment a coating is applied to the
tape itself to prevent sealing of the folded slit tape to itself. The resulting tape and
fastener are cut 220 and portioned properly on the web by the unique vacuum belt
system of the present invention and by the interconnected tape drive, web drive
and the connection to the form fill seal machine.